I.S. 281 Joseph B. Cavallaro

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Name Class

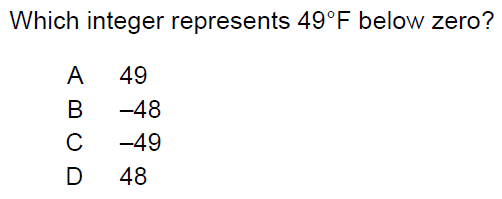
Teacher Date

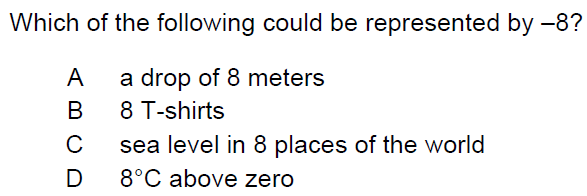
Unit 3: Rational Numbers

Pre-Assessment

**6.NS.5**

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**6.NS.6a**

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Use the number line below to find the opposite of -9.



A 3

B -3

C 0

D 9

What is the opposite of the opposite of -7?

A 7

B -7

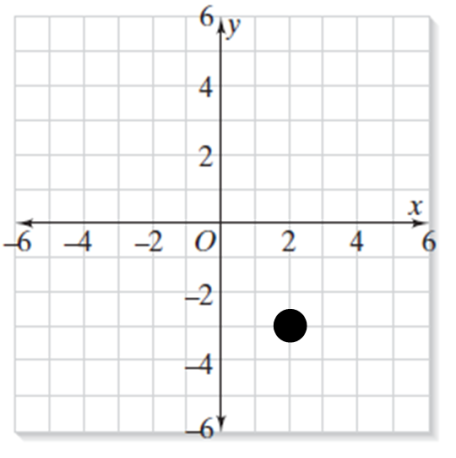
C 3.5

D -3.5

**6.NS.6b**

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Use the coordinate plane below to answer the following questions.



What are the coordinates for the point plotted?

A (2,-3)

B (-3,2)

C (-2,-3)

D (-3,-2)

If the point was reflected across the x-axis, what would the coordinates be?

A (2,3)

B (-3,-2)

C (-2,-3)

D (3,-2)

**6.NS.7b**

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Which statement is correct?

A -33o F is colder than -33.5o F

B -33o F is warmer than -33.5o F

C -33.5o F is warmer than -33o F

D -33.4o F is warmer than -33o F

Which list shows the temperatures in order from coldest to warmest?

A -45.5o F, -46.5o F, -46.8o F

B -45.5o F, -45.4o F, -45.6o F

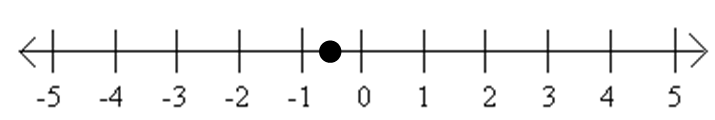
C -45.5o F, -45.6o F, -45.7o F

D -45.5o F, -45.4o F, -44.1o F

**6.NS.6c**

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What rational number is plotted on the line below?



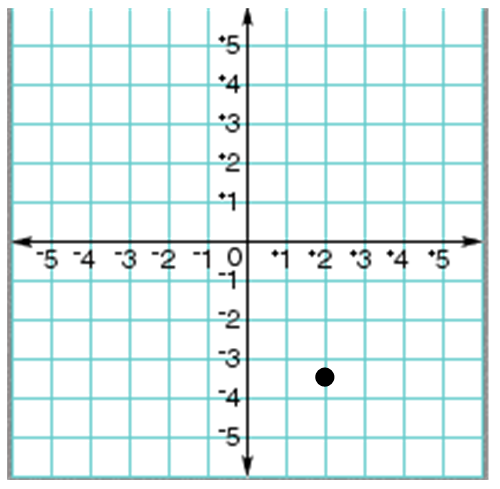
A 0.5

B 1.5

C -0.5

D -1.5

What are the coordinates of the point plotted below?



A

B

C

D

**6.NS.7a**

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Look at the partial number lines shown below and choose the correct statement to describe the relationship of the points plotted.

|  |  |
| --- | --- |
| :::::Desktop:ishot-1.jpg | A Point A is to the left of point B because -5 < -2  B Point A is to the left of point B because -2 < -5  C Point B is to the right of point A because -2 < -5  D Point B is to the right of point A because -5 > -2 |
| :::::Desktop:ishot-2.jpg | A Point A is to the left of point B because -5.5 < -4.5  B Point A is to the left of point B because -4.5 < -3.5  C Point B is to the right of point A because -5.5 > -4.5  D Point B is to the right of point A because -4.5 > -3.5 |

**6.NS.7c**

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Which number would be the furthest from 0 on a number line?

A | -28.3 |

B | 2.3 |

C | 17.3 |

D | -25.3 |

Your bank account has a value of -$26.50. How much debt do you have?

A -$26.50

B $26.50

C $0.00

**6.NS.7d** =====================================================================

Muhammad, Chan, and Jose spent too much money on video games! Now they have negative balances in their bank accounts. Their balances are shown below.

Muhammad has a balance of -$12.26.

Chan has a balance of -$12.62.

Jose has a balance of -$12.02.

Which list shows their debt in order from greatest to least?

A Muhammad, Chan, Jose

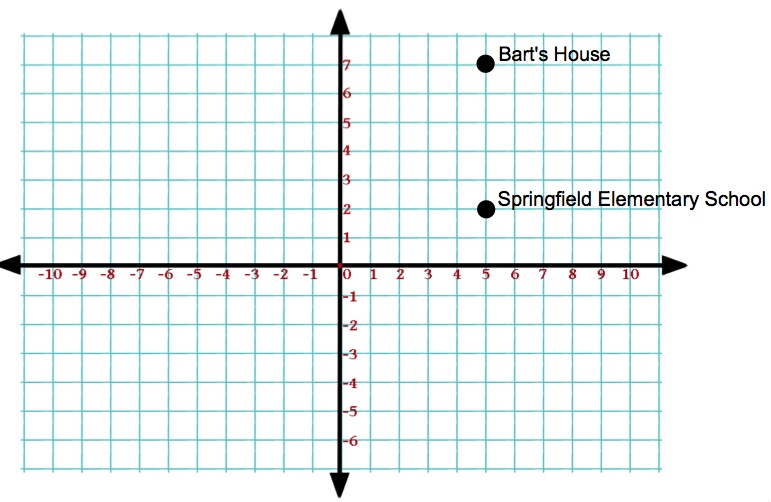
B Muhammad, Jose, Chan

C Chan, Jose, Muhammad

D Chan, Muhammad, Jose

**6.NS.8**

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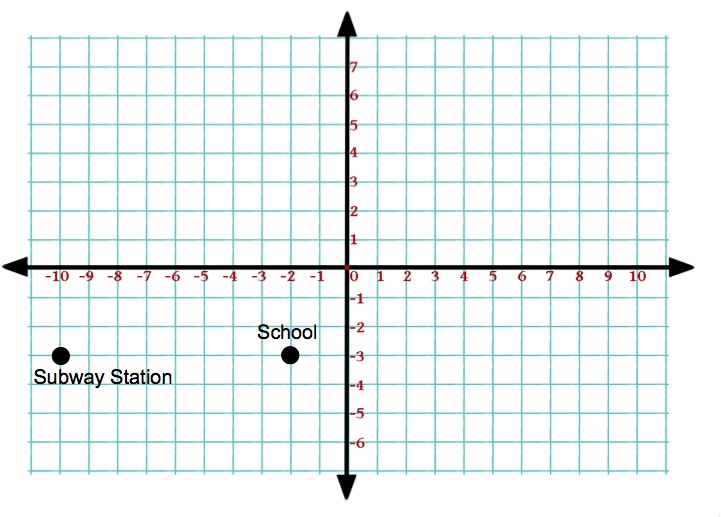
How many units is Bart’s house away from Springfield Elementary School?

A 7 units on the x-axis

B 5 units on the y-axis

C 5 units on the x-axis

D 7 units on the y-axis



How many units away is the school from the subway station?

A 10 units on the x-axis

B 2 units on the y-axis

C 12 units on the x-axis

D 8 units on the x-axis